

IN THE CLAIMS

Please amend the claims as follows:

1. (Previously presented) A display apparatus (1) comprising:
 - an electrophoretic medium (5) comprising charged particles (6) in a fluid positioned in one of a plurality positions within said medium;
 - a plurality of picture elements (2);
 - a first and second electrode (8,9) associated with each picture element (2) for receiving a potential difference; and
 - a drive means (100) arranged to:
 - a) supply a sequence of picture potential differences to each of said picture elements (2), each of said picture potential differences having a picture value and an associated picture duration, the product of said picture value and picture duration representing a picture energy for enabling the particles to occupy one of the positions for displaying a picture; and
 - b) supply one or more inter-picture potential differences between at least two consecutive picture potential differences to selected ones of said picture elements, said one or more inter-picture potential differences having an inter-picture value and an associated inter-picture duration, the product of said inter-picture value and inter-picture duration representing an inter-picture energy which is insufficient to change the positions of the particles to cause an optical state change;the apparatus (1) further comprising a memory means (104) for receiving and storing a data representative of the picture energy and the inter-picture energy of all of said potential differences applied to each picture element (2), and providing a running total of the picture energy and the inter-picture energy for each picture element (2), the drive means (100) being arranged to select the polarity of said one or more inter-picture potential differences such that a magnitude of said running total for a corresponding one of said picture elements (2) is reduced.
2. (Previously presented) The apparatus (1) according to claim 1, wherein a time interval is provided between each inter-picture potential difference applied to a corresponding one of said plurality of picture elements (2).

3. (Previously presented) The apparatus (1) according to claim 2, wherein said time interval is of the order of 0.5 seconds.
4. (Previously presented) The apparatus (1) according to claim 1, wherein the duration of each inter-picture potential difference is 2-8ms.
5. (Previously presented) The apparatus (1) according to claim 1, wherein the value of said inter-picture potential differences is substantially a maximum voltage available on the drive means.
6. (Previously presented) The apparatus (1) according to claim 1, wherein one or more of said inter-picture potential differences have an inter-picture value below a switching threshold voltage of an ink material used in said display apparatus.
7. (Previously presented) The apparatus (1) according to claim 1, wherein a number and a polarity of said inter-picture potential differences are stored in the memory means.